

WEST Search History

[Hide Items](#) [Restore](#) [Clear](#) [Cancel](#)

DATE: Wednesday, August 04, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L3	L2 with (sequence or dna)	14
<input type="checkbox"/>	L2	monooxygenase with (pseudomonas or bukholderia)	97
<input type="checkbox"/>	L1	monooxygenase with (pseudomonas or bukholderia)	97

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OAGCS				

Search Results - Record(s) 1 through 10 of 14 returned.

1. Document ID: US 20020143105 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 14

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143105

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143105 A1

TITLE: Discordant helix stabilization for prevention of amyloid formation

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Johansson, Jan	Stockholm		SE	

US-CL-CURRENT: 525/54.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-------

2. Document ID: US 6716589 B2

L3: Entry 2 of 14

File: USPT

Apr 6, 2004

US-PAT-NO: 6716589

DOCUMENT-IDENTIFIER: US 6716589 B2

TITLE: Discordant helix stabilization for prevention of amyloid formation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-------

3. Document ID: US 6605430 B1

L3: Entry 3 of 14

File: USPT

Aug 12, 2003

US-PAT-NO: 6605430

DOCUMENT-IDENTIFIER: US 6605430 B1

TITLE: DNA shuffling of monooxygenase genes for production of industrial chemicals

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

4. Document ID: US 6551814 B1

L3: Entry 4 of 14

File: USPT

Apr 22, 2003

US-PAT-NO: 6551814

DOCUMENT-IDENTIFIER: US 6551814 B1

TITLE: Methods for bioremediation by degrading toluene

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

5. Document ID: US 6395539 B1

L3: Entry 5 of 14

File: USPT

May 28, 2002

US-PAT-NO: 6395539

DOCUMENT-IDENTIFIER: US 6395539 B1

TITLE: Composition and methods for bioremediation

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

6. Document ID: US 5605823 A

L3: Entry 6 of 14

File: USPT

Feb 25, 1997

US-PAT-NO: 5605823

DOCUMENT-IDENTIFIER: US 5605823 A

TITLE: Bioconversions catalysed by the toluene monooxygenase of Pseudomonas mendocina KR-1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

7. Document ID: US 5512478 A

L3: Entry 7 of 14

File: USPT

Apr 30, 1996

US-PAT-NO: 5512478

DOCUMENT-IDENTIFIER: US 5512478 A

**** See image for Certificate of Correction ****

TITLE: Genes and enzymes involved in the microbial degradation of pentachlorophenol

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

Record List Display

 8. Document ID: US 5364787 A

L3: Entry 8 of 14

File: USPT

Nov 15, 1994

US-PAT-NO: 5364787

DOCUMENT-IDENTIFIER: US 5364787 A

TITLE: Genes and enzymes involved in the microbial degradation of pentachlorophenol

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn D.
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	----------

 9. Document ID: US 5171684 A

L3: Entry 9 of 14

File: USPT

Dec 15, 1992

US-PAT-NO: 5171684

DOCUMENT-IDENTIFIER: US 5171684 A

TITLE: Bioconversions catalyzed by the toluene monooxygenase of Pseudomonas mendocina KR-1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn D.
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	----------

 10. Document ID: US 5017495 A

L3: Entry 10 of 14

File: USPT

May 21, 1991

US-PAT-NO: 5017495

DOCUMENT-IDENTIFIER: US 5017495 A

TITLE: Plasmid encoding the Pseudomonas mendocina toluene monooxygenase gene

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn D.
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	----------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate CACs
-----------------------	-------------------------------------	-----------------------	--------------------------	---------------------------	-------------------------------

Terms	Documents
L2 with (sequence or dna)	14

Display Format:[Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Clear **Generate Collection** **Print** **Fwd Refs** **Bkwd Refs**
Generate OAOS

Search Results - Record(s) 11 through 14 of 14 returned.

11. Document ID: JP 10099078 A

Using default format because multiple data bases are involved.

L3: Entry 11 of 14

File: JPAB

Apr 21, 1998

PUB-NO: JP410099078A
 DOCUMENT-IDENTIFIER: JP 10099078 A
 TITLE: R-(-)-MANDELIC MONOOXYGENASE GENE

PUBN-DATE: April 21, 1998

INVENTOR-INFORMATION:

COUNTRY

NAME

SHIMAO, MASAYUKI

HARAYAMA, SHIGEAKI

INT-CL (IPC): C12 N 15/09; C07 H 21/04; C12 N 9/04; C12 P 41/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KJMC	Draft	De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------	----

12. Document ID: WO 9206208 A1

L3: Entry 12 of 14

File: EPAB

Apr 16, 1992

PUB-NO: WO009206208A1
 DOCUMENT-IDENTIFIER: WO 9206208 A1
 TITLE: BIOCONVERSIONS CATALYZED BY THE TOLUENE MONOOXYGENASE OF PSEUDOMONAS
 MENDOCINA KR-1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KJMC	Draft	De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------	----

13. Document ID: EP 336719 A2

L3: Entry 13 of 14

File: EPAB

Oct 11, 1989

PUB-NO: EP000336719A2
 DOCUMENT-IDENTIFIER: EP 336719 A2
 TITLE: Method and materials for the microbial bioconversion of toluene and other
 phenyl compounds.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KJMC	Draft	De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------	----

Record List Display

14. Document ID: IE 83070 B, EP 336719 A, WO 8909828 A, AU 8934104 A, FI 8905788 A, NO 8904845 A, DK 8906090 A, JP 03500126 W, US 5017495 A, ZA 8902503 A, IL 89845 A, CA 1337977 C, NO 301548 B1, JP 2862301 B2, FI 104379 B1, KR 157301 B1

L3: Entry 14 of 14

File: DWPI

Oct 1, 2003

DERWENT-ACC-NO: 1989-294582

DERWENT-WEEK: 200367

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Plasmid contg. *Pseudomonas mendocina* kr-1 monooxygenase genes - used to transform cells to enable bio-conversion of phenyl cpds.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Kwic	Draw
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	------------------------	----------------------	----------------------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-----------------------	-------------------------------------	-----------------------	--------------------------	---------------------------	-------------------------------

Terms	Documents
L2 with (sequence or dna)	14

Display Format: [Change Format](#)

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

\$%^STN:highlighton= ***;Highlightoff=*** ;

Connecting via Winsock to STM

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1800EXS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * * * *

| | | |
|--------------|----|--|
| NEWS | 1 | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | "Ask CAS" for self-help around the clock |
| NEWS | 3 | May 12 EXTEND option available in structure searching |
| NEWS | 4 | May 12 Polymer Links for the POLYLINK command completed in REGISTRY |
| NEWS | 5 | May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus |
| NEWS | 6 | May 27 CAplus super roles and document types searchable in REGISTRY |
| NEWS | 7 | Jun 28 Additional enzyme-catalyzed reactions added to CASREACT |
| NEWS | 8 | Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R) |
| NEWS | 9 | Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS |
| NEWS | 10 | Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting |
| NEWS | 11 | AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields |
| NEWS | 12 | AUG 02 CAplus and CA patent records enhanced with European and Japan Patent Office Classifications |
| NEWS | 13 | AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting |
| NEWS | 14 | AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available |
| NEWS | 15 | AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004 |
| NEWS EXPRESS | | JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004 |
| NEWS HOURS | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | General Internet Information |
| NEWS LOGIN | | Welcome Banner and News Items |
| NEWS PHONE | | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004

=> fil .eliz
COST IN U.S. DOLLARS

| | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'MEDLINE' ENTERED AT 17:05:37 ON 04 AUG 2004

FILE 'SCISEARCH' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT 2004 THOMSON ISI

FILE 'LIFESCI' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'BIOTECHDS' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOSIS' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'HCAPLUS' ENTERED AT 17:05:37 ON 04 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'NTIS' ENTERED AT 17:05:37 ON 04 AUG 2004
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2004)

FILE 'ESBIOBASE' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'BIOTECHNO' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT

=> s monooxygenase (5a)(pseudomonas or bukholderia)
L1 1266 MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)

=> s l1 (5a)(sequence or gene)
6 FILES SEARCHED...
L2 272 L1 (5A)(SEQUENCE OR GENE)

=> dup rem 12
PROCESSING COMPLETED FOR L2
L3 142 DUP REM L2 (130 DUPLICATES REMOVED)

=> s l2 and (aromatic or toluene)
L4 131 L2 AND (AROMATIC OR TOLUENE)

=> dup rem 14
PROCESSING COMPLETED FOR L4
L5 60 DUP REM L4 (71 DUPLICATES REMOVED)

=> d 1-10

L5 ANSWER 1 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:36801 HCAPLUS
DN 140:76041
TI Cyclodextrin for enhanced microbial oxidation using xylene
monooxygenase-producing microorganism
IN Maruyama, Takahiro; Iida, Hiroshi; Kakitani, Hitoshi
PA Tosoh Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|----------|
| ----- | ---- | ----- | ----- | ----- |
| PI JP 2004008150 | A2 | 20040115 | JP 2002-168710 | 20020610 |
| PRAI JP 2002-168710 | | 20020610 | | |

L5 ANSWER 2 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:337190 HCAPLUS
DN 141:35369
TI Phenol hydroxylase and ***toluene*** /o-xylene monooxygenase from
Pseudomonas stutzeri OX1: interplay between two enzymes
AU Cafaro, Valeria; Izzo, Viviana; Scognamiglio, Roberta; Notomista, Eugenio;
Capasso, Paola; Casbarra, Annarita; Pucci, Piero; Di Donato, Alberto
CS Dipartimento di Chimica Biologica, Universita di Napoli Federico II,
Naples, 80134, Italy
SO Applied and Environmental Microbiology (2004), 70(4), 2211-2219

PB CODEN: AEMIDF; ISSN: 0099-2240
DT American Society for Microbiology
LA Journal
RE.CNT English

38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 60 MEDLINE on STN DUPLICATE 1
AN 2004310948 IN-PROCESS
DN PubMed ID: 15213740
TI A survey of indigenous microbial hydrocarbon degradation genes in soils from Antarctica and Brazil.
AU Luz A P; Pellizari V H; Whyte L G; Greer C W
SO Canadian journal of microbiology, (2004 May) 50 (5) 323-33.
Journal code: 0372707. ISSN: 0008-4166.
CY Canada
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20040625
Last Updated on STN: 20040625

L5 ANSWER 4 OF 60 MEDLINE on STN DUPLICATE 2
AN 2003022707 MEDLINE
DN PubMed ID: 12529882
TI Use of the two-liquid phase concept to exploit kinetically controlled multistep biocatalysis.
AU Buhler Bruno; Bollhalder Irene; Hauer Bernhard; Witholt Bernard; Schmid Andreas
CS Institute of Biotechnology, Swiss Federal Institute of Technology Zurich,
CH-8093 Zurich, Switzerland.
SO Biotechnology and bioengineering, (2003 Mar 20) 81 (6) 683-94.
Journal code: 7502021. ISSN: 0006-3592.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200309
ED Entered STN: 20030117
Last Updated on STN: 20030909
Entered Medline: 20030908

L5 ANSWER 5 OF 60 MEDLINE on STN DUPLICATE 3
AN 2002704522 MEDLINE
DN PubMed ID: 12446657
TI Cross-regulation between a novel two-component signal transduction system for catabolism of ***toluene*** in *Pseudomonas mendocina* and the TodST system from *Pseudomonas putida*.
AU Ramos-Gonzalez Maria-Isabel; Olson Monica; Gatenby Anthony A; Mosqueda Gilberto; Manzanera Maximino; Campos Maria J; Vicchez Susana; Ramos Juan L
CS Department of Biochemistry and Molecular and Cellular Biology of Plants,
Estacion Experimental del Zaidin, Consejo Superior de Investigaciones
Cientificas, 18008 Granada, Spain.. maribel.ramos@eez.csic.es
SO Journal of bacteriology, (2002 Dec) 184 (24) 7062-7.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200212
ED Entered STN: 20021217
Last Updated on STN: 20021220
Entered Medline: 20021219

L5 ANSWER 6 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 4
AN 2002-13009 BIOTECHDS
TI Cloning and characterization of a FAD-monooxygenase gene (cadA) involved in degradation of chloranilic acid (2,5-dichloro-3,6-dihydroxybenzo-1,4-quinone) in *Pseudomonas putida* TQ07;
Pseudomonas putida mutant enzyme gene expression profiling in *Escherichia coli* for ***aromatic*** compound degradation and chloroaromatic compound degradation for waste-water treatment and soil decontamination
AU TREVINO-QUINTANILLA LG; GALAN-WONG LJ; RODRIGUEZ-URIIBE B; SOBERON-CHAVEZ G

CS Univ Nacl Autonoma Mexico; Univ Autonoma Nuevo Leon; Univ Autonoma Nuevo Leon
LO Soberon-Chavez G, Univ Nacl Autonoma Mexico, Inst Biotechnol, Dept Mol Microbiol, Postal 510-3, Cuernavaca 62251, Morelos, Mexico
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY; (2002) 59, 4-5, 545-550 ISSN: 0175-7598
DT Journal
LA English

L5 ANSWER 7 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 2002:783519 HCPLUS
DN 138:94987
TI Oxygenase systems in an oligotrophic bacterial community of a subsurface water polluted by BTEX
AU Cavalca, L.; Dell'Amico, E.; Andreoni, V.
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Universita degli Studi, Milan, 20133, Italy
SO Developments in Soil Science (2002), 28B(Soil Mineral-organic Matter-Microorganism Interactions and Ecosystem Health), 363-375 CODEN: DSSCDM; ISSN: 0166-0918
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 60 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:608217 BIOSIS
DN PREV200200608217
TI Cloning and sequencing of the soluble butane monooxygenase from *Pseudomonas butanovora*.
AU Sluis, M. K. [Reprint author]; Sayavedra-Soto, L. A. [Reprint author]; Arp, D. J. [Reprint author]
CS Oregon State University, Corvallis, OR, USA
SO Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 282. print.
Meeting Info.: 102nd General Meeting of the American Society for Microbiology, Salt Lake City, UT, USA. May 19-23, 2002. American Society for Microbiology.
ISSN: 1060-2011.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 27 Nov 2002
Last Updated on STN: 27 Nov 2002

L5 ANSWER 9 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2002-14446 BIOTECHDS
TI Cloning and sequencing of a phenol hydroxylase gene of *Pseudomonas pseudoalcaligenes* strain MH1 - A bacterium able to mineralize various ***aromatic*** compounds;
vector-mediated gene transfer and expression in host cell for phenol degradation, strain improvement and waste-water treatment
AU ZOUARI H; MOUKHA S; LABAT M; SAYADI S
CS Univ Aix Marseille 1; CBS; Univ Aix Marseille 1
LO Labat M, Univ Aix Marseille 1, IFR BAIM, ESIL, Inst Rech Dev, CP 925, 163 Ave Luminy, F-13288 Marseille 9, France
SO APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY; (2002) 102, , 261-276 ISSN: 0273-2289
DT Journal
LA English

L5 ANSWER 10 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 2002:219602 HCPLUS
DN 137:164407
TI Characterization of tdt genes for the degradation of tricyclic diterpenes by *Pseudomonas diterpeniphila* A19-6a
AU Morgan, C. A.; Wyndham, R. C.
CS Ottawa Carleton Institute of Biology, College of Natural Sciences, Carleton University, Ottawa, ON, K1S 5B6, Can.
SO Canadian Journal of Microbiology (2002), 48(1), 49-59 CODEN: CJMIAZ; ISSN: 0008-4166
PB National Research Council of Canada
DT Journal
LA English

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

> d 11-20

L5 ANSWER 11 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:348236 HCPLUS
 DN 135:104133
 TI 4-Hydroxyacetophenone monooxygenase from *Pseudomonas fluorescens* ACB. A novel flavoprotein catalyzing Baeyer-Villiger oxidation of ***aromatic*** compounds
 AU Kamerbeek, Nanne M.; Moonen, Marielle J. H.; Van der Ven, Jos G. M.; Van Berkel, Willem J. H.; Fraaije, Marco W.; Janssen, Dick B.
 CS Laboratory of Biochemistry, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, Groningen, 9747 AG, Neth.
 SO European Journal of Biochemistry (2001), 268(9), 2547-2557
 CODEN: EJBCAI; ISSN: 0014-2956
 PB Blackwell Science Ltd.
 DT Journal
 LA English
 RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:861775 HCPLUS
 DN 134:38863
 TI Preparation of enantio-specific epoxides using wild-type and mutant ***toluene*** monooxygenases
 IN Steffan, Robert J.; McClay, Kevin R.
 PA Envirogen, Inc., USA
 SO PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|------|--|-----------------|----------|
| PI WO 2000073425 | A1 | 20001207 | WO 2000-US14637 | 20000526 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | |

PRAI US 1999-136602P P 19990528
 OS CASREACT 134:38863
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 5
 AN 2000:286306 SCISEARCH
 GA The Genuine Article (R) Number: 302BT
 TI Xylene monooxygenase catalyzes the multistep oxygenation of ***toluene*** and pseudocumene to corresponding alcohols, aldehydes, and acids in *Escherichia coli* JM101
 AU Buhler B; Schmid A (Reprint); Hauer B; Witholt B
 CS ETH ZURICH, INST BIOTECHNOL, ETH HONGGERBERG, CH-8093 ZURICH, SWITZERLAND (Reprint); SWISS FED INST TECHNOL, INST BIOTECHNOL, CH-8093 ZURICH, SWITZERLAND; BASF CORP, RES FINE CHEM & BIOTECHNOL, D-67056 LUDWIGSHAFEN, GERMANY
 CYA SWITZERLAND; GERMANY
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (7 APR 2000) Vol. 275, No. 14, pp. 10085-10092.
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
 ISSN: 0021-9258.
 DT Article; Journal
 FS LIFE
 LA English
 REC Reference Count: 42
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 14 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:836307 HCAPLUS
DN 134:162870
TI Bioconversion of substituted styrenes to the corresponding enantiomerically pure epoxides by a recombinant *Escherichia coli* strain
AU Bernasconi, S.; Orsini, F.; Sello, G.; Colmegna, A.; Galli, E.; Bestetti, G.
CS Dipartimento di Chimica Organica e Industriale, Universita' degli studi di Milano, Milan, 20133, Italy
SO Tetrahedron Letters (2000), 41(47), 9157-9161
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 134:162870
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 60 MEDLINE on STN DUPLICATE 6
AN 1999402750 MEDLINE
DN PubMed ID: 10473416
TI Identification of the ****Pseudomonas**** *stutzeri* OX1 ***toluene*** -o-xylene ***monooxygenase*** regulatory ***gene*** (touR) and of its cognate promoter.
AU Arenghi F L; Pinti M; Galli E; Barbieri P
CS Dipartimento di Genetica e di Biologia dei Microrganismi, Universita degli Studi di Milano, 20133 Milan, Italy.
SO Applied and environmental microbiology, (1999 Sep) 65 (9) 4057-63.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AJ005663
EM 199912
ED Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991223

L5 ANSWER 16 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 7
AN 1999:498769 SCISEARCH
GA The Genuine Article (R) Number: 209BK
TI Genetic organization of sulphur-controlled aryl desulphonation in *Pseudomonas putida* S-313
AU Vermeij P; Wietek C; Kahnert A; Wuest T; Kertesz M A (Reprint)
CS SWISS FED INST TECHNOL, ETH ZENTRUM, INST MIKROBIOL, LFV, CH-8092 ZURICH, SWITZERLAND (Reprint); SWISS FED INST TECHNOL, ETH ZENTRUM, INST MIKROBIOL, LFV, CH-8092 ZURICH, SWITZERLAND
CYA SWITZERLAND
SO MOLECULAR MICROBIOLOGY, (JUN 1999) Vol. 32, No. 5, pp. 913-926.
Publisher: BLACKWELL SCIENCE LTD, P O BOX 88, OSNEY MEAD, OXFORD OX2 0NE, OXON, ENGLAND.
ISSN: 0950-382X.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 52
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 17 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2000-05721 BIOTECHDS
TI Biotransformation of phenol to catechol by recombinant phenol-hydroxylase;
recombinant expression of phenol-2-monooxygenase in *Escherichia coli*
AU Rodriguez M J; Lebrero J L A; *Alvarez E
CS Appl.Genet.Immunol.Madrid
LO SmithKline Beecham, Centro de Investigacion Basica, Santiago Grisolía, 4, Parque Tecnológico de Madrid, 28760 Tres Cantos, Madrid, Spain.
Email: emilio.alvarez@sb.com
SO Biocatalysis Biotransform.; (1999) 17, 1, 45-60
CODEN: BOBOEQ ISSN: 1024-2422
DT Journal
LA English

L5 ANSWER 18 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1999-03024 BIOTECHDS

TI Production of para-hydroxybenzoate;
stereospecific hydroxybenzoic acid production via vector-mediated
toluene - ***monooxygenase*** ***gene*** transfer and
expression in ***Pseudomonas*** sp. for polyester and paraben
preservative production
AU Grelak R L; Chen K K
PA Du-Pont
LO Wilmington, DE, USA.
PI WO 9856920 17 Dec 1998
AI WO 1998-US12072 11 Jun 1998
PRAI US 1997-49556 13 Jun 1997
DT Patent
LA English
OS WPI: 1999-060332 [05]

L5 ANSWER 19 OF 60 MEDLINE on STN DUPLICATE 8
AN 1998432776 MEDLINE
DN PubMed ID: 9758777
TI Analysis of the ***gene*** cluster encoding ***toluene*** /o-xylene
monooxygenase from ***Pseudomonas*** stutzeri OX1.
AU Bertoni G; Martino M; Galli E; Barbieri P
CS Dipartimento di Genetica e di Biologia dei Microrganismi, Universita degli
Studi di Milano, 20133 Milan, Italy.
SO Applied and environmental microbiology, (1998 Oct) 64 (10) 3626-32.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AJ005663
EM 199811
ED Entered STN: 19990106
Last Updated on STN: 20000303
Entered Medline: 19981124

L5 ANSWER 20 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1998-02434 BIOTECHDS
TI Rhizoremediation of trichloroethylene by a recombinant, root-colonizing
Pseudomonas fluorescens strain expressing ***toluene***
-ortho-monooxygenase constitutively;
trichloroethylene degradation and soil decontamination
AU Yee D C; Maynard J A; *Wood T K
CS Univ.California
LO Department of Chemical and Biochemical Engineering, University of
California, Irvine, CA 92697-2575, USA.
Email: tkwood@uci.edu
SO Appl.Environ.Microbiol.; (1998) 64, 1, 112-18
CODEN: AEMIDF ISSN: 0099-2240
DT Journal
LA English

=> d 21-30

L5 ANSWER 21 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1997:652504 HCPLUS
DN 127:328139
TI Purification and characterization of 2-hydroxybiphenyl 3-monooxygenase, a
novel NADH-dependent, FAD-containing ***aromatic*** hydroxylase from
Pseudomonas azelaica HBP1
AU Suske, Winfried A.; Held, Martin; Schmid, Andreas; Fleischmann, Thomas;
Wubbolt, Marcel G.; Kohler, Hans-Peter E.
CS Department of Microbiology, Swiss Federal Institute of Environmental
Sciences and Technology, Dubendorf, CH-8600, Switz.
SO Journal of Biological Chemistry (1997), 272(39), 24257-24265
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English

L5 ANSWER 22 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1997-10600 BIOTECHDS
TI Changes in the regiospecificity of ***aromatic*** hydroxylation
produced by active site engineering in the diiron enzyme ***toluene***
-4-monooxygenase;
Pseudomonas mendocina ***toluene*** degradation enzyme engineering

AU by site-directed mutagenesis
AU Pikus J D; Studts J M; McClay K; Steffan R J; *Fox B G
CS Univ.Wisconsin-Madison-Inst.Enzyme-Res.; Envirogen
LO Institute for Enzyme Research, Graduate School and Department of
Biochemistry, College of Agricultural and Life Sciences, University of
Wisconsin, Madison, WI 53705, USA.
Email: fox@enzyme.wisc.edu
SO Biochemistry; (1997) 36, 31, 9283-89
CODEN: BICHAW ISSN: 0006-2960
DT Journal
LA English

L5 ANSWER 23 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1998:26853 HCPLUS
DN 128:207961
TI Evidence for the evolution of a single component phenol/cresol hydroxylase
from a multicomponent ***toluene*** monooxygenase
AU Olsen, R. H.; Kukor, J. J.; Byrne, A. M.; Johnson, G. R.
CS Department of Microbiology and Immunology, University of Michigan Medical
School, Ann Arbor, MI, 48109-0620, USA
SO Journal of Industrial Microbiology & Biotechnology (1997), 19(5/6),
360-368
CODEN: JIMBFL; ISSN: 1367-5435
PB Stockton Press
DT Journal
LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 24 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1998-01969 BIOTECHDS
TI Biosensors for TCE based on TCE-induced expression of ***toluene***
-4-monooxygenase from *P. mendocina* KR1;
trichloroethylene analysis using a recombinant *Pseudomonas mendocina*
microbial electrode (conference abstract)
AU McClay K; Steffan R J
CS Envirogen
LO Envirogen, Inc., Lawrenceville, NJ 08648, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1997) 97 Meet., 348
CODEN: 0005P ISSN: 0067-2777
American Society for Microbiology, 97th General Meeting, Miami Beach, FL,
4-8 May, 1997.
DT Journal
LA English

L5 ANSWER 25 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1996:270738 HCPLUS
DN 124:311959
TI Cloning and characterization of ***genes*** encoding ***toluene***
monooxygenases from ****Pseudomonas**** sp. strain JS150
(bioremediation, *Burkholderia pickettii*)
AU Johnson, Glenn Ronald
CS Univ. of Michigan, Ann Arbor, MI, USA
SO (1996) 171 pp. Avail.: Univ. Microfilms Int., Order No. DA9610153
From: Diss. Abstr. Int., B 1996, 56(12), 6541
DT Dissertation
LA English

L5 ANSWER 26 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 9
AN 1996-12647 BIOTECHDS
TI Microorganisms transformed with a gene from a *Pseudomonas cepacia* mutant;
toluene -monooxygenase gene expression in e.g. *Escherichia*
coli for use in chlorinated hydrocarbon degradation and
aromatic hydrocarbon degradation for groundwater
decontamination, etc.
AU Shields M S; Francesconi S C
PA Shields M S; Francesconi S C
LO Gulf Breeze, FL, USA.; Pensacola, FL, USA.
PI US 5543317 6 Aug 1996
AI US 1994-319387 6 Oct 1994
PRAI US 1994-319387 6 Oct 1994
DT Patent
LA English
OS WPI: 1996-370640 [37]

L5 ANSWER 27 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN DUPLICATE 10
TI 1997-02351 BIOTECHDS
Gene organization and low regiospecificity in ***aromatic*** -ring
hydroxylation of a benzene-monoxygenase of *Pseudomonas aeruginosa* J1104;
benzene degradation
AU Kitayama A; Suzuki E; Kawakami Y; Nagamune T
CS Univ.Tokyo
LO Department of Chemistry and Biotechnology, Graduate School of
Engineering, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113.
SO J.Ferment.Bioeng.; (1996) 82, 5, 421-25
CODEN: JFBIEX ISSN: 0922-338X
DT Journal
LA English

L5 ANSWER 28 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1996:218001 HCPLUS
TI Development of molecular methods for detecting toluenedegrading bacteria
at a contaminated site.
AU Harris, Kelley S.; Herrick, Jim B.; Brainard, Jim R.
CS Department Chemistry, Fort Lewis College, Durango, CO, 81301, USA
SO Book of Abstracts, 211th ACS National Meeting, New Orleans, LA, March
24-28 (1996), CHED-155 Publisher: American Chemical Society, Washington,
D. C.
CODEN: 62PIAJ
DT Conference; Meeting Abstract
LA English

L5 ANSWER 29 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-09087 BIOTECHDS
TI Development of molecular methods for detecting ***toluene***
-degrading bacteria at a contaminated site;
bacterium isolation for ***toluene*** degradation by polymerase
chain reaction using DNA primer (conference abstract)
AU Harris K S; Herrick J B; Brainard J R
CS Fort-Lewis-Coll.; Los-Alamos-Nat.Lab.
LO Department of Chemistry, Fort Lewis College, Durango, CO 81301, USA.
SO Abstr.Pap.Am.Chem.Soc.; (1996) 211 Meet., Pt.1, CHED155
CODEN: ACSRAL ISSN: 0065-7727
211th ACS National Meeting, New Orleans, LA, 24-28 March, 1996.
DT Journal
LA English

L5 ANSWER 30 OF 60 MEDLINE on STN DUPLICATE 11
AN 96035667 MEDLINE
DN PubMed ID: 7574644
TI Nucleotide sequence analysis of ***genes*** encoding a ***toluene***
/benzene-2- ***monoxygenase*** from ***Pseudomonas*** sp. strain
JS150.
AU Johnson G R; Olsen R H
CS Department of Microbiology and Immunology, University of Michigan Medical
School, Ann Arbor 48109-0620, USA.
NC ES-04911 (NIEHS)
MO1RR00042 (NCRR)
SO Applied and environmental microbiology, (1995 Sep) 61 (9) 3336-46.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-L40033
EM 199511
ED Entered STN: 19951227
Last Updated on STN: 19951227
Entered Medline: 19951114

=> d 31-40

L5 ANSWER 31 OF 60 MEDLINE on STN DUPLICATE 12
AN 96031586 MEDLINE
DN PubMed ID: 7574612
TI Isolation and characterization of RNA from low-biomass deep-subsurface
sediments.
AU Ogram A; Sun W; Brockman F J; Fredrickson J K
CS Department of Crop and Soil Sciences, Washington State University, Pullman

SO 99164-6420, USA.
Applied and environmental microbiology, (1995 Feb) 61 (2) 763-8.
Journal code: 7605801. ISSN: 0099-2240.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199511
ED Entered STN: 19951227
Last Updated on STN: 19990129
Entered Medline: 19951106

L5 ANSWER 32 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-07268 BIOTECHDS
TI Nucleotide sequence, organization and regulation of the ***toluene***
ortho-monoxygenase (Tom) operon of *Pseudomonas cepacia* G4 and its
constitutive variants;
and application in e.g. phenol degradation, chloroethene degradation,
etc. (conference abstract)

AU Francesconi S C; Blake A C; Shields M S
CS EPA; Univ.West-Florida
LO The National Research Council, US EPA, Gulf Breeze, FL 32561, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1995) 95, Meet., 570
CODEN: 0005P ISSN: 0067-2777
American Society for Microbiology, 95th General Meeting, Washington, DC,
21-25 May, 1995.

DT Journal
LA English

L5 ANSWER 33 OF 60 MEDLINE on STN DUPLICATE 13
AN 95172404 MEDLINE
DN PubMed ID: 7867951
TI Sequence analysis of the ***gene*** cluster encoding ***toluene***
-3- ***monoxygenase*** from ****Pseudomonas**** *pickettii* PK01.
AU Byrne A M; Kukor J J; Olsen R H
CS Department of Microbiology and Immunology, University of Michigan Medical
School, Ann Arbor 48109-0620, USA.
NC ES-04911 (NIEHS)
M01RR00042 (NCRR)
SO Gene, (1995 Feb 27) 154 (1) 65-70.
Journal code: 7706761. ISSN: 0378-1119.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-U04052
EM 199503
ED Entered STN: 19950407
Last Updated on STN: 19960424
Entered Medline: 19950328

L5 ANSWER 34 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1994:453667 HCPLUS
DN 121:53667
TI A novel ***toluene*** -3-monoxygenase pathway cloned from *Pseudomonas*
pickettii PK01
AU Olsen, Ronald H.; Kukor, Jerome J.; Kaphammer, Bryan
CS Dep. Microbiol. and Immunology, Univ. Michigan Med. Sch., Ann Arbor, MI,
48109-0620, USA
SO Journal of Bacteriology (1994), 176(12), 3749-56
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L5 ANSWER 35 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1994:402106 HCPLUS
DN 121:2106
TI Metabolism of polyhalogenated compounds by a genetically engineered
bacterium
AU Wackett, Lawrence P.; Sadowsky, Michael J.; Newman, Lisa M.; Hur, Hor-Gil;
Li, Shuying
CS Dep. Biochem., Univ. Minnesota, St Paul, MN, 55108, USA
SO Nature (London, United Kingdom) (1994), 368(6472), 627-9
CODEN: NATUAS; ISSN: 0028-0836
DT Journal
LA English

L5 ANSWER 36 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN DUPLICATE 14
TI 1994-10751 BIOTECHDS
Nucleotide sequence analysis of the positive regulatory ***gene***
tbuT for the ***toluene*** -3- ***monooxygenase*** operon from
Pseudomonas pickettii PK01;
toluene -monooxygenase characterization and DNA sequence
analysis for ***toluene*** degradation and benzene degradation
(conference abstract)

AU Byrne A M; Olsen R H
CS Univ.Michigan
LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 307
CODEN: 0005P

DT Journal
LA English

L5 ANSWER 37 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1994-10752 BIOTECHDS
TI Organization of the duplex ***toluene*** -monooxygenase pathway from
Pseudomonas sp. JS150;
toluene -monooxygenase and benzene-monooxygenase gene cloning
using plasmid pRO2016 for benzene degradation (conference abstract)

AU Johnson G R; Olsen R H
CS Univ.Michigan
LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 307
CODEN: 0005P

DT Journal
LA English

L5 ANSWER 38 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1994-10748 BIOTECHDS
TI Comparison of trichloroethylene degradation by ***toluene***
-oxidizing bacteria;
toluene -monooxygenase expression in Pseudomonas cepacia,
Pseudomonas pickettii and Pseudomonas mendocina (conference abstract)

AU Leahy J G; Olsen R H
CS Univ.Michigan
LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 306
CODEN: 0005P

DT Journal
LA English

L5 ANSWER 39 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-14796 BIOTECHDS
TI A two-plasmid system for the isolation and detection of genes that direct
the population of catechol from ***aromatic*** substrates;
plasmid pCD05 and plasmid pUCLV1 construction for Pseudomonas cepacia
toluene -ortho-monooxygenase cloning, catechol detection and
trichloroethylene degradation (conference abstract)

AU Somerville C C; Reagin M; Shields M S
CS Tech.Res.
LO Technical Resources Inc., 1 Sabine Island Drive, Gulf Breeze, FL
32561-3999, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 400
CODEN: 0005P

DT Journal
LA English

L5 ANSWER 40 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-13697 BIOTECHDS
TI In vitro construction of constitutive ***toluene*** -monooxygenase
(TMO) mutants of Pseudomonas mendocina KR1;
potential trichloroethylene degradation for bioremediation (conference
paper)

AU Tugusheva M; Steffan R J
CS Envirogen
LO Envirogen, Inc., Lawrenceville, NJ, USA.
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 276
CODEN: 0005P

DT Journal
LA English

=> d 41-50

L5 ANSWER 41 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-13668 BIOTECHDS
TI Sequence analysis of the BTEX-degradative *tbuABC* operon of *Pseudomonas*
pickettii PK01 functional under limited oxygen conditions;
plasmid pRO1957 *tbuABC* operon DNA sequence analysis, characterization;
toluene degradation and benzene degradation (conference paper)

AU Byrne A M; Kukor J J; Olsen R H
LO University of Michigan Medical School, Ann Arbor, Michigan, USA
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 274
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 42 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 15

AN 1992-09962 BIOTECHDS
TI New ***toluene*** -monooxygenase gene sequence;
Pseudomonas mendocina *tmoABCDEF* gene cloning and expression for use in
p-hydroxyphenylacetic acid or indigo preparation, or trichloroethylene
degradation

PA Amgen
PI WO 9206208 16 Apr 1992
AI WO 1991-US5963 21 Aug 1991
PRAI US 1990-590374 28 Sep 1990
DT Patent
LA English
OS WPI: 1992-150892 [18]

L5 ANSWER 43 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 16

AN 1992-09337 BIOTECHDS
TI Microbial hydroxylation of methyl group in ***aromatic***
heterocycle(s);
using *Escherichia coli* or *Pseudomonas putida* cells carrying a plasmid
containing a ****Pseudomonas**** sp. TOL plasmid xylene-
monooxygenase ***gene***

PA Lonza
PI EP 477828 1 Apr 1992
AI EP 1991-116165 23 Sep 1991
PRAI CH 1990-3066 24 Sep 1990
DT Patent
LA German
OS WPI: 1992-133493 [17]

L5 ANSWER 44 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1993:489909 HCPLUS

DN 119:89909
TI Identification of a new gene, *tmoF*, in the *Pseudomonas mendocina* KR1 gene
cluster encoding ***toluene*** -4-monooxygenase
AU Yen, Kwang Mu; Karl, Michael R.
CS Amgen Cent., Amgen Inc., Thousand Oaks, CA, 91320-1789, USA
SO Journal of Bacteriology (1992), 174(22), 7253-61
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L5 ANSWER 45 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1993:403853 HCPLUS

DN 119:3853
TI Novel aerobic 2-aminobenzoate metabolism. Nucleotide sequence of the
plasmid carrying the gene for the flavoprotein 2-aminobenzoyl-CoA
monooxygenase/reductase in a denitrifying *Pseudomonas* sp
AU Altenschmidt, Uwe; Bokranz, Martin; Fuchs, Georg
CS Abt. Angew. Mikrobiol., Univ. Ulm, Ulm, W-7900, Germany
SO European Journal of Biochemistry (1992), 207(2), 715-22
CODEN: EJBCAI; ISSN: 0014-2956
DT Journal
LA English

L5 ANSWER 46 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1992-02979 BIOTECHDS

TI Nitroaromatics are substrates for the TOL plasmid upper-pathway enzymes;
characterization of nitroaromatic degradation by *Pseudomonas putida*,

AU Escherichia coli expressing recombinant ***toluene***
L.O -monooxygenase
AU Delgado A; Wubbolts M G; Abril M A; *Ramos J L
LO Departamento de Bioquimica Vegetal, Consejo Superior de Investigaciones
Cientificas, Estacion Experimental del Zaidin, Apt. 419, 18080 Granada,
Spain.
SO Appl. Environ. Microbiol.; (1992) 58, 1, 415-17
CODEN: AEMIDF
DT Journal
LA English

L5 ANSWER 47 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1993-14806 BIOTECHDS
TI Expression of recruited biodegradative genes in subsurface bacteria;
Pseudomonas mendocina ***toluene*** -4-
monooxygenase and ***Pseudomonas*** putida ***toluene***
-dioxygenase ***gene*** expression in river sediment Gram-negative
bacterium for ***toluene*** degradation (conference abstract)
AU Romine M F; Brockman F J
CS Pacific-Northwest
LO Pacific Northwest Laboratory, Richland, WA 99352, USA.
SO Abstr. Gen. Meet. Am. Soc. Microbiol.; (1992) 402
CODEN: 0005P
DT Journal
LA English

L5 ANSWER 48 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 17
AN 1991-13291 BIOTECHDS
TI Cloning and characterization of a Pseudomonas mendocina KR1 gene cluster
encoding ***toluene*** -4-monooxygenase;
potential application in ***toluene*** degradation and e.g.
trichloroethylene degradation; DNA sequence
AU Yen K M; Karl M R; Blatt L M; Simon M J; Winter R B; Fausset P R
CS Amgen
LO Amgen Inc., Amgen Center, Thousand Oaks, California 91320-1789, USA.
SO J. Bacteriol.; (1991) 173, 17, 5315-27
CODEN: JOBAAY
DT Journal
LA English

L5 ANSWER 49 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1991:509282 HCPLUS
DN 115:109282
TI Primary structure of xylene monooxygenase: similarities to and
differences from the alkane hydroxylation system
AU Suzuki, Masahiko; Hayakawa, Takahiko; Shaw, Jeffrey P.; Rekik, Monique;
Harayama, Shigeaki
CS Plantech Res. Inst., Yokohama, 227, Japan
SO Journal of Bacteriology (1991), 173(5), 1690-5
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L5 ANSWER 50 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1991-12572 BIOTECHDS
TI Use of a stress-induced promoter to enhance trichloroethylene
biodegradation in nutrient-limited recombinant E. coli;
Pseudomonas mendocina ***toluene*** -
monooxygenase ***gene*** expression in Escherichia coli
under control of the proEL promoter; metabolic engineering (conference
abstract)
AU Little C D; Keyhan M; Fraley C D; McCann M P; Matin A
LO Stanford University, Stanford, CA 94305, USA.
SO Abstr. Gen. Meet. Am. Soc. Microbiol.; (1991) 91 Meet., 294
DT Journal
LA English

=> d 51-60

L5 ANSWER 51 OF 60 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1991:401668 BIOSIS
DN PREV199141063513; BR41:63513
TI SELF TRANSFER OF THE PSEUDOMONAS-MENDOCINA KR ***TOLUENE*** PATHWAY
AND CLONING OF IT'S P CRESOL REGULON.

AU WRIGHT A [Reprint author]; OLSEN R H
CS UNIV MICH MED SCH, ANN ARBOR, MICH 48109, USA
SO Abstracts of the General Meeting of the American Society for Microbiology,
(1991) Vol. 91, pp. 217.
Meeting Info.: 91ST GENERAL MEETING OF THE AMERICAN SOCIETY FOR
MICROBIOLOGY, DALLAS, TEXAS, USA, MAY 5-9, 1991. ABSTR GEN MEET AM SOC
MICROBIOL.
ISSN: 1060-2011.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 31 Aug 1991
Last Updated on STN: 8 Oct 1991

L5 ANSWER 52 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 91:455901 SCISEARCH
GA The Genuine Article (R) Number: GA438
TI SEQUENCE OF THE ***GENE*** (PHEA) ENCODING PHENOL
MONOOXYGENASE FROM ***PSEUDOMONAS*** SP-EST1001 - EXPRESSION
IN ESCHERICHIA-COLI AND PSEUDOMONAS-PUTIDA
AU NURK A; KASAK L; KIVISAAR M (Reprint)
CS ESTONIAN BIOCTR, PLASMID BIOL LAB, 2 JAKOBI ST, TARTU 202400, ESTONIA,
USSR
CYA USSR
SO GENE, (1991) Vol. 102, No. 1, pp. 13-18.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 23
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 53 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1991-03054 BIOTECHDS
TI The molecular basis of carbon-starvation-induced general resistance in
Escherichia coli;
application of starvation gene promoter to recombinant protein
production, bioremediation, pollutant degradation, large-scale
fermentation; a review
AU Matin A
LO Department of Microbiology and Immunology, Sherman Fairchild Science
Building, Rooms D315 and D317, Stanford University, Stanford, California
94305-5402, USA.
SO Mol.Microbiol.; (1991) 5, 1, 3-10
CODEN: MOMIEE
DT Journal
LA English

L5 ANSWER 54 OF 60 LIFESCI COPYRIGHT 2004 CSA on STN
AN 91:14828 LIFESCI
TI Plasmid encoding the ***Pseudomonas*** mendocina ***toluene***
monooxygenase ***gene*** .
AU Yen, Kwang-Mu; Blatt, L.M.
CS Amgen Inc., Thousand Oaks, CA (USA)
PI US 5017495 1991
SO (1991) . US Cl. 435/320.1; Int. Cl. C12N 1/00, 9/02, 1/22; C12P 21/06,
21/04; C12R 1/38..
DT Patent
FS W
LA English

L5 ANSWER 55 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 18
AN 1990-00416 BIOTECHDS
TI Plasmid containing ***Pseudomonas*** mendocina KR-1 ***toluene***
- ***monooxygenase*** ***genes*** ;
gene cloning and expression in Pseudomonas putida and Escherichia
coli; p-cresol, p-hydroxyphenylacetic acid and indigo preparation
PA Amgen
PI EP 336719 11 Oct 1989
AI EP 1989-303329 4 Apr 1989
PRAI US 1988-177631 5 Apr 1988
DT Patent
LA English
OS WPI: 1989-294582 [41]

L5 ANSWER 56 OF 60 HCPLUS COPYRIGHT 2004 ACS on STN

AN 1990:404705 HCPLUS
 DN 113:4705
 TI Microbial degradation of trichloroethylene in wastewater treatment
 IN Winter, Robert B.; Yen, Kwang Mu; Ensley, Burt D.
 PA Amgen, Inc., USA
 SO Eur. Pat. Appl., 23 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|---|----------|----------------|-----------------|----------|
| PI | EP 336718 | A2 | 19891011 | EP 1989-303328 | 19890404 |
| | EP 336718 | A3 | 19910424 | | |
| | R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| US 5079166 | A | 19920107 | US 1988-235354 | 19881019 | |
| CA 1316860 | A1 | 19930427 | CA 1989-595483 | 19890403 | |
| WO 8909827 | A1 | 19891019 | WO 1989-US1419 | 19890404 | |
| | W: AU, DK, FI, JP, KR, NO | | | | |
| AU 8934275 | A1 | 19891103 | AU 1989-34275 | 19890404 | |
| AU 626856 | B2 | 19920813 | | | |
| JP 02503866 | T2 | 19901115 | JP 1989-504759 | 19890404 | |
| IL 89847 | A1 | 19941021 | IL 1989-89847 | 19890404 | |
| KR 131772 | B1 | 19980411 | KR 1989-702298 | 19890404 | |
| ZA 8902504 | A | 19891227 | ZA 1989-2504 | 19890405 | |
| NO 8904846 | A | 19891204 | NO 1989-4846 | 19891204 | |
| NO 179642 | B | 19960812 | | | |
| NO 179642 | C | 19961120 | | | |
| DK 8906089 | A | 19900202 | DK 1989-6089 | 19891204 | |
| PRAI | US 1988-177640 | A | 19880405 | | |
| | US 1988-235354 | A | 19881019 | | |
| | WO 1989-US1419 | A | 19890404 | | |

L5 ANSWER 57 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1989-03786 BIOTECHDS
 TI Cloning and heterologous expression in *Streptomyces lividans* of
Streptomyces rimosus genes involved in oxytetracycline biosynthesis;
 anhydrotetracycline-oxygenase gene cloning in *Escherichia coli*
 AU Binnie C; Warren M; Butler M J
 CS Pfizer
 LO International Process Development Group, Pfizer Limited, Sandwich, Kent
 CT13 9NJ, UK.
 SO J.Bacteriol.; (1989) 171, 2, 887-95
 CODEN: JOBAAY
 DT Journal
 LA English

L5 ANSWER 58 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1989-06075 BIOTECHDS
 TI Efficient degradation of trichloroethylene by a recombinant *Escherichia coli*;
 Pseudomonas mendocina ***toluene*** -
 monooxygenase ***gene*** cloning
 AU Winter R B; Yen K M; Ensley B D
 CS AMGen
 LO Amgen, 1900 Oak Terrace Lane, Thousand Oaks, CA 91320, USA.
 SO Bio/Technology; (1989) 7, 3, 282-85
 CODEN: BTCHDA
 DT Journal
 LA English

L5 ANSWER 59 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1991-00879 BIOTECHDS
 TI Microbial degradation of environmentally persistent organopollutants;
 military pesticide degradation, solvent degradation, fuel degradation;
 pollutant degradation and bioremediation (conference paper)
 AU Bumpus J A
 LO Biotechnology Center and Biology Department, Utah State University,
 Logan, UT 84322-4430, USA.
 SO Biotechnol.Aerospace Appl.; (1989) 59-84
 DT Journal
 LA English

L5 ANSWER 60 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1989-08655 BIOTECHDS
 TI Degradation of volatile chlorinated aliphatics by recombinant *Escherichia*

coli;
waste-disposal (conference abstract)
AU Winter R B; Yen K M; *Ensley B D
CS AMGen
LO AMGen Inc., Thousand Oaks, California 91320, USA.
SO Abstr.Pap.Am.Chem.Soc.; (1989) 197 Meet., MBTD18
CODEN: ACSRAL
DT Journal
LA English

=> s yano, ?/au
L6 50469 YANO, ?/AU

=> s 16 and monooxygenase
L7 55 L6 AND MONOOXYGENASE

=> dup rem 17
PROCESSING COMPLETED FOR L7
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)

=> s 18 not 15
L9 35 L8 NOT L5

=> s 18 and 15
L10 0 L8 AND L5

=> s 18 and toluene
L11 4 L8 AND TOLUENE

=> d 1-14

L11 ANSWER 1 OF 4 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2003:80330 LIFESCI
TI DNA fragment carrying ***toluene*** - ***monooxygenase*** gene,
recombinant plasmid, transformed microorganism, method for degrading
chlorinated aliphatic hydrocarbon compounds and aromatic compounds, and
method for environmental remediation
AU ***Yano, T.*** ; Nomoto, T.; Imamura, T.
CS Canon Kabushiki Kaisha
SO (20021029) . US Patent: 6472191; US CLASS: 435/189; 435/252.3; 435/262.5;
435/320.1; 536/23.2.
DT Patent
FS W2
LA English
SL English

L11 ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2000-10929 BIOTECHDS
TI New polynucleotide encoding ***toluene*** - ***monooxygenase***
for generating transformants useful for decontaminating environments
polluted with e.g. aromatic hydrocarbons;
production of ***toluene*** - ***monooxygenase*** from Ralstonia
eutropha TB64 FERM BP-6933 useful for degradation
Yano T ; Nomoto T; Imamura T
PA Canon
LO Tokyo, Japan.
PI EP 1006191 7 Jun 2000
AI EP 1999-124209 3 Dec 1999
PRAI JP 1998-344506 3 Dec 1998
DT Patent
LA English
OS WPI: 2000-378265 [33]

L11 ANSWER 3 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2000-09780 BIOTECHDS
TI Novel DNA fragment encoding a ***toluene*** - ***monooxygenase*** ,
useful for degrading a chlorinated aliphatic hydrocarbon compound, or an
aromatic compound, e.g. in environment remediation;
production of a recombinant DNA using a ***toluene*** -
monooxygenase gene from Burkholderia cepacia strain KK01
Yano T ; Nomoto T; Imamura T

PA Canon
LO Tokyo, Japan.
PI EP 999274 10 May 2000
AI EP 1999-121681 2 Nov 1999

PRAI JP 1998-310801 30 Oct 1998

DT Patent

LA Japanese

OS WPI: 2000-306010 [27]

L11 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2003:6580 BIOSIS

DN PREV200300006580

TI DNA FRAGMENT CARRYING ***TOLUENE*** ***MONOOXYGENASE*** GENE, RECOMBINANT PLASMID, TRANSFORMED MICROORGANISM, METHOD FOR DEGRADING CHLORINATED ALIPHATIC HYDROCARBON COMPOUNDS AND AROMATIC COMPOUNDS, AND METHOD FOR ENVIRONMENTAL REMEDIATION.

AU ***Yano, Tetsuya*** [Inventor, Reprint Author]; Nomoto, Tsuyoshi [Inventor]; Imamura, Takeshi [Inventor]

CS Atsugi, Japan

ASSIGNEE: Canon Kabushiki Kaisha, Tokyo, Japan

PI US 6472191 October 29, 2002

SO official Gazette of the United States Patent and Trademark Office Patents, (Oct 29 2002) Vol. 1263, No. 5. <http://www.uspto.gov/web/menu/patdata.html>. e-file.

ISSN: 0098-1133 (ISSN print).

DT Patent

LA English

ED Entered STN: 18 Dec 2002

Last Updated on STN: 18 Dec 2002

=> dis his

(FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCPLUS, NTIS, ESBIOSBASE, BIOTECHNO, WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004

L1 1266 S MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)

L2 272 S L1 (5A)(SEQUENCE OR GENE)

L3 142 DUP REM L2 (130 DUPLICATES REMOVED)

L4 131 S L2 AND (AROMATIC OR TOLUENE)

L5 60 DUP REM L4 (71 DUPLICATES REMOVED)

L6 50469 S YANO, ?/AU

L7 55 S L6 AND MONOOXYGENASE

L8 35 DUP REM L7 (20 DUPLICATES REMOVED)

L9 35 S L8 NOT L5

L10 0 S L8 AND L5

L11 4 S L8 AND TOLUENE

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

127.08

127.29

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 17:24:07 ON 04 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1800EXS

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' AT 17:27:40 ON 04 AUG 2004
FILE 'MEDLINE' ENTERED AT 17:27:40 ON 04 AUG 2004
FILE 'SCISEARCH' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT 2004 THOMSON ISI
FILE 'LIFESCI' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'BIOTECHDS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION
FILE 'BIOSIS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC. (R)
FILE 'EMBASE' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.
FILE 'HCAPLUS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'NTIS' ENTERED AT 17:27:40 ON 04 AUG 2004
All rights reserved. (2004)
FILE 'ESBIOBASE' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.
FILE 'BIOTECHNO' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.
FILE 'WPIDS' ENTERED AT 17:27:40 ON 04 AUG 2004
COPYRIGHT (C) 2004 THOMSON DERWENT

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 127.08 | 127.29 |

=> dis his

(FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004
L1 1266 S MONOOXYGENASE (5A) (PSEUDOMONAS OR BUKHOLDERIA)
L2 272 S L1 (5A) (SEQUENCE OR GENE)
L3 142 DUP REM L2 (130 DUPLICATES REMOVED)
L4 131 S L2 AND (AROMATIC OR TOLUENE)
L5 60 DUP REM L4 (71 DUPLICATES REMOVED)
L6 50469 S YANO, ?/AU
L7 55 S L6 AND MONOOXYGENASE
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)
L9 35 S L8 NOT L5
L10 0 S L8 AND L5
L11 4 S L8 AND TOLUENE

=> d 111

L11 ANSWER 1 OF 4 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2003:80330 LIFESCI

TI DNA fragment carrying **toluene monooxygenase** gene,
recombinant plasmid, transformed microorganism, method for degrading
chlorinated aliphatic hydrocarbon compounds and aromatic compounds, and
method for environmental remediation
AU **Yano, T.**; Nomoto, T.; Imamura, T.
CS Canon Kabushiki Kaisha
SO (20021029) . US Patent: 6472191; US CLASS: 435/189; 435/252.3; 435/262.5;
435/320.1; 536/23.2.
DT Patent
FS W2
LA English
SL English

=> s 17 and (pseudomonas or bukholderia)
L12 6 L7 AND (PSEUDOMONAS OR BUKHOLDERIA)

=> dup rem 112
PROCESSING COMPLETED FOR L12
L13 5 DUP REM L12 (1 DUPLICATE REMOVED)

=> d 1-5

L13 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:863460 HCAPLUS
DN 139:337026
TI Manufacture of unusual polyhydroxyalkanoate (PHA) from aromatic
ring-containing alkanes with **Pseudomonas**
IN Kenmoku, Takashi; Imamura, Takeshi; Honma, Tsutomu; Sugawa, Etsuko;
Yano, Tetsuya
PA Canon Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 2003310292 A2 20031105 JP 2002-126158 20020426
EP 1367078 A2 20031203 EP 2003-7890 20030407
EP 1367078 A3 20031217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
US 2003207412 A1 20031106 US 2003-410349 20030410
PRAI JP 2002-126158 A 20020426

L13 ANSWER 2 OF 5 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
AN 2004-069293 [07] WPIDS
DNC C2004-028792
TI Producing polyhydroxyalkanoate by using microorganisms, involves culturing
microorganisms in medium containing substituted alkanes.
DC A23 D16
IN HONMA, T; IMAMURA, T; KENMOKU, T; SUGAWA, E; **YANO, T**
PA (CANO) CANON KK
CYC 34
PI US 2003207412 A1 20031106 (200407)* 25 C12P007-62
EP 1367078 A2 20031203 (200407) EN C08G063-00
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV
MC MK NL PT RO SE SI SK TR
JP 2003310292 A 20031105 (200407) 27 C12P011-00
KR 2003084731 A 20031101 (200418) C08G063-06
ADT US 2003207412 A1 US 2003-410349 20030410; EP 1367078 A2 EP 2003-7890
20030407; JP 2003310292 A JP 2002-126158 20020426; KR 2003084731 A KR

2003-25988 20030424

PRAI JP 2002-126158 20020426

IC ICM C08G063-00; C08G063-06; C12P007-62; C12P011-00

ICS C08G063-82; C12N001-21

L13 ANSWER 3 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 1

AN 2002-17375 BIOTECHDS

TI New polyhydroxyalkanoate useful as device material, water repellant material, and medical material;
polyhydroxyalkanoate production using **Pseudomonas cichorii** having alkane-1-**monooxygenase** activity

AU HONMA T; SUGAWA E; YANO T; IMAMURA T; KENMOKU T

PA CANON KK

PI EP 1188782 20 Mar 2002

AI EP 2000-122101 14 Sep 2000

PRAI JP 2001-275063 11 Sep 2001

DT Patent

LA English

OS WPI: 2002-481356 [52]

L13 ANSWER 4 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 2003-07046 BIOTECHDS

TI Polyhydroxyalkanoate for charge control agent, comprises substituted phenyl units;
polymer production and purification from **Pseudomonas cichorii** and **Pseudomonas jessenii**

AU KENMOKU T; KOBAYASHI T; SUGAWA E; YANO T; KOBAYASHI S; IMAMURA T; HONMA T

PA CANON KK

PI EP 1253161 30 Oct 2002

AI EP 2002-9667 29 Apr 2002

PRAI JP 2001-133667 27 Apr 2001; JP 2001-133651 27 Apr 2001

DT Patent

LA English

OS WPI: 2003-113889 [11]

L13 ANSWER 5 OF 5 LIFESCI COPYRIGHT 2004 CSA on STN

AN 84:69305 LIFESCI

TI Isolation and properties of p-hydroxybenzoate hydroxylase and protocatechuate 3,4-dioxygenase from **Pseudomonas putida** RB-4.

AU Miyagawa, E.; Yano, J.; Hamakado, T.; Kido, Y.; Motoki, Y.

CS Ube Res. Lab., Fujirebio Inc., Ube, Yamaguchi 759-02, Japan

SO J. AGRIC. CHEM.-SOC. JAPAN., (1984) vol. 58, no. 8, pp. 785-791.

DT Journal

FS J; A; L

LA Japanese

SL English

=> S 16 and bukholderia
L14 O L6 AND BUKHOLDERIA